

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.
0050.1618-000APPLICATION NO.
09/461,580

#4

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

May 9, 2000

(Use several sheets if necessary)

APPLICANT
Leonard Guarente, et al.FILING DATE
December 15, 1999GROUP
1643

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
R2	AA	5,919,618	Jul 6 1999	Guarente et al.	435	6	
R2	AB	5,874,210	Feb 23 1999	Guarente et al.	435	4	
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

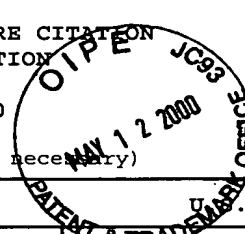







		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

R2	AR	Gottlieb, S., et al., "A New Role for a Yeast Transcriptional Silencer Gene, SIR2, in Regulation of Recombination in Ribosomal DNA", Cell, 56:771-776 (1989).
R2	AS	Tani, T., et al., "Nucleolar Accumulation of Poly (A)+ RNA in Heat-shocked Yeast Cells: Implication of Nucleolar Involvement in mRNA Transport", Molecular Biology of the Cell, 6:1515-1534 (1995).
R2	AT	Oakes, M., et al., "Structural Alterations of the Nucleolus in Mutants of <i>Saccharomyces cerevisiae</i> Defective in RNA Polymerase I", Molecular and Cellular Biology, 13(4):2441-2455 (1993).

EXAMINER

DATE CONSIDERED

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KZ	AU	Palladino, F., et al., "SIR3 and SIR4 Proteins Are Required for the Positioning and Integrity of Yeast Telomeres", <i>Cell</i> , 75:543-555 (1993).					
	AV	Sweeney, R., et al., "Extrachromosomal Elements Cause a Reduced Division Potential in <i>nib 1</i> Strains of <i>Saccharomyces cerevisiae</i> ", <i>Genetics Society of America</i> , 122:749-757 (1989).					
	AW	Jamet-Vierny, C., et al., "Senescence in <i>Podospora anserina</i> : Amplification of a Mitochondrial DNA Sequence", <i>Cell</i> , 21:189-194 (1980).					
	AX	Sinclair, D.A., et al., "Extrachromosomal rDNA Circles- A Cause of Aging in Yeast", <i>Cell</i> , 91:1033-1042 (1997).					
	AY	Kennedy, B.K., et al., "Redistribution of Silencing Proteins from Telomeres to the Nucleolus Is Associated with Extension of Life Span in <i>S. cerevisiae</i> ," <i>Cell</i> , 89:381-391 (1997).					
	AZ	de Beus, E., et al., "Yeast <i>NOP2</i> Encodes an Essential Nucleolar Protein with Homology to a Human Proliferation Marker," <i>J. Cell Biol.</i> , 127:1799-1812 (1994).					
	AR2	Kadowaki, T., et al., "Nuclear mRNA Accumulation Causes Nucleolar Fragmentation in Yeast <i>mtr2</i> Mutant," <i>Molecular Biology of the Cell</i> , 5:1253-1263 (1994).					
	AS2	Frye, R.A., "Characterization of Five Human cDNAs with Homology to the Yeast <i>SIR2</i> Gene: Sir2-like Proteins (Sirtuins) Metabolize NAD and May Have Protein ADP-Ribosyltransferase Activity," <i>Biochemical and Biophysical Research Communications</i> , 260:273-279 (1999).					

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RZ	AT2	"Genetic Switch Seen Affecting Mouse Aging," The Boston Globe (1999, November 18).
RZ	AU2	EST AA199012
RZ	AV2	EST AA105536
RZ	AW2	EST AA260334

EXAMINER

Robert Zimm

DATE CONSIDERED

11/1/01